



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



GLOBAL PROGRAMME
HYDROGEN IN INDUSTRY



HYDROGEN PARTNERSHIPS IN THE MEDITERRANEAN

24 February 2026 – NIM Industry Insights Webinar

"Hydrogen Pathways: Scaling the Value Chain for a Net-Zero Industry"





173 Member States
HQ in Vienna

UNIDO - a UN agency with a unique mandate to promote, dynamize and accelerate industrial development.

Since 1966, UNIDO provides:

- Technical cooperation;
- Action-oriented research & policy advisory services;
- Normative standards- and quality-related activities;
- Partnerships for knowledge and technology transfer.
- UNIDO hosts the **Global Programme for Hydrogen in Industry** (2021)



GLOBAL PROGRAMME
HYDROGEN IN INDUSTRY

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



Focus areas:

- **Ending hunger** by helping businesses from farm to fork;
- **Stopping climate breakdown** by using renewable energy and energy efficiency;
- **Supporting sustainable supply chains**



Global Programme for Hydrogen in Industry

Accelerates local production and up-take of clean hydrogen in developing and transition economies and to support inclusive global clean hydrogen trade, with a strong presence across the **Mediterranean**.



We support and guide the development of:



Policies & Regulations

Policy Toolkit: “GH2 for Sustainable Industrial Development”
Aligning industry and H2 policies



Coordination & Negotiations

Supporting COP Presidencies
H2 Declaration in Baku
endorsed by 62 states



Skills & Capacity Building

In-Country Skills Assessments in
Tunisia & Egypt
Green Ammonia Production
Training in Tunisia



Standards & Certification

ISO/TS 19870 Guide



Sustainability

Guidelines for Sustainable
Hydrogen Projects



Innovation

International Hydrogen Energy Centre
Start-ups support (A2D Facility)



Financing

Climate finance
Carbon finance



Global Bridging

Matching supply and
demand & national
project implementation
assistance



Inclusive Trade

International Hydrogen Trade Forum
Southern Hydrogen Corridor Secretariat



Hydrogen Hubs Need Anchor Demand



Hydrogen only scales through local industry

- Hydrogen transitions succeed where domestic industrial demand anchors scale
 - Export-only strategies remain subsidy-dependent, politically fragile, and risks stranded assets
 - Corridors such as the Southern Hydrogen Corridor, ELMED require offtake on both sides of the Mediterranean
 - Equitable trade, local beneficiation, and industrial development generate political support
- Demand creation and supply ramp-up require equal attention

Building blocks of viable hydrogen hubs

- **Enablers:** Policy, finance, skills, social & environmental safeguards
- **Core value chain:** Production, transport, storage, conversion, use
- **Industrial supply chain:** OEMs, EPCs, services, skills



Close Up: North African Industry



Steel

Potential using green hydrogen in primary steel production

- Morocco: Domestic industry produces low carbon steel from scrap metal, using Electric Arc Furnaces (EAF)
- Italy: Major steel clusters with many DRI-EAF assets, technically ready for hydrogen substitution



Fertilizer

Potential for substituting grey ammonia imports with domestic production in fertilizer production

- Egypt: H2Global-funded green ammonia offtake agreement (Fertiglobe/Scatec)
- Morocco: Building a domestic green ammonia value chain to produce low-emission ammonia fertilizer (OCP)



Chemicals

Methanol and basic chemical production using hydrogen is a core input. Green hydrogen enables low-carbon methanol for fuels, chemicals and shipping.

- Mediterranean industrial and maritime transport hubs such as Arzew (Algeria) or SCZone (Egypt) offer large potential for local application.



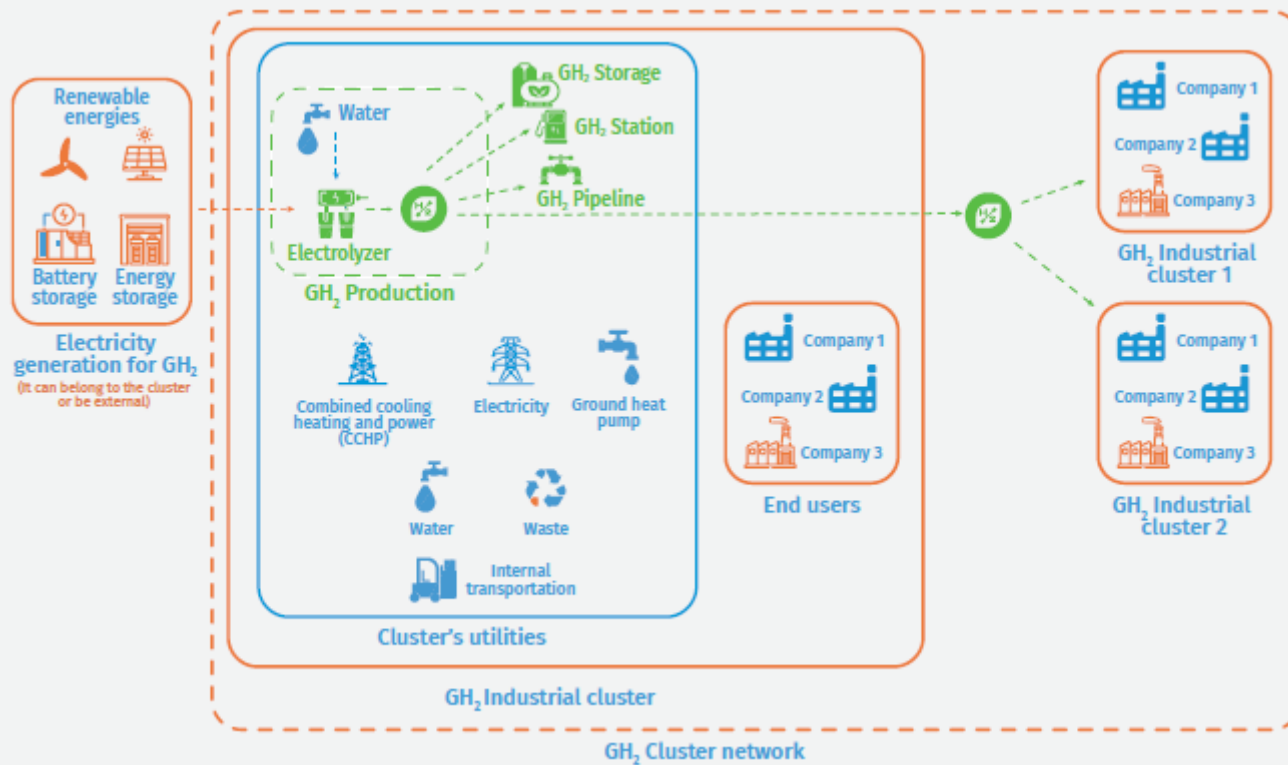
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Progress by innovation



UNIDO SOLUTIONS

Green Hydrogen Industrial Clusters: A Replicable Model



Green Hydrogen Industrial Clusters (GHIC)

GHIC: industrial regions or clusters that share green hydrogen (production, transport, and use) and renewable energy electricity, in addition to other resources, for different purposes including material production, heating and cooling, local mobility and industrial feedstock.



Southern Hydrogen Corridor Secretariat

- **Southern Hydrogen Corridor:** 4,000 km (Europe, North Africa) dedicated hydrogen pipeline corridor connecting Algeria, Tunisia, Italy, Austria and Germany.
- **The SouthH₂ Corridor:** 3,300 km (Europe) led by TSOs: Snam, TAG, GCA and bayernets.
- **Countries involved:** Algeria, Austria, Germany, Italy, and Tunisia.
- **Observers:** Greece, Switzerland, and the European Commission.
- UNIDO supports the initiative by providing a central platform to ensure intergovernmental collaboration, policy alignment, and effective stakeholder engagement.



Source: The SouthH₂ Corridor Website
<https://www.south2corridor.net/>



UNIDO's International Conference on Hydrogen in Industry

Clean Hydrogen: Shaping Sustainable Industry's Future

April 8, 2026, Vienna



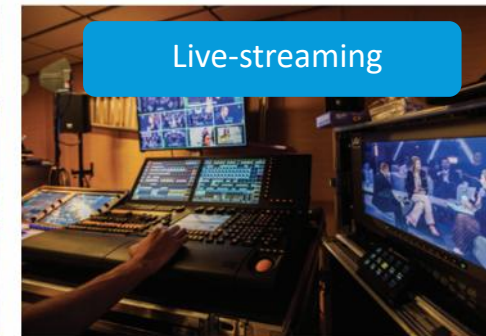
- **Focusing** on developing countries & transition economies and **their industrial development potential**.
- **Enabling** an open, honest and solution-oriented dialogue.
- **Inspiring** through examples of clean hydrogen acting as a catalyst for **transformative change in industry** and creating local value.

"From Vision to Reality"

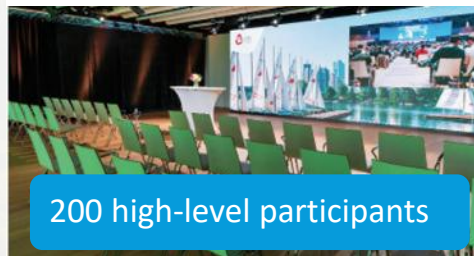
2-day sessions & side events



Live-streaming



200 high-level participants

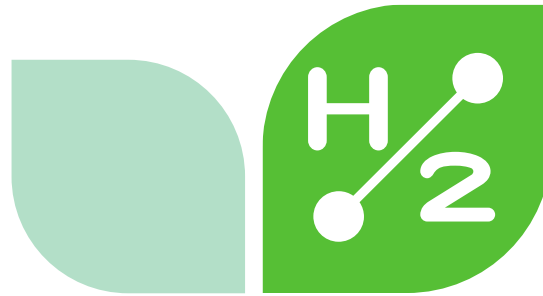


Networking. Connecting.





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THANK YOU!

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